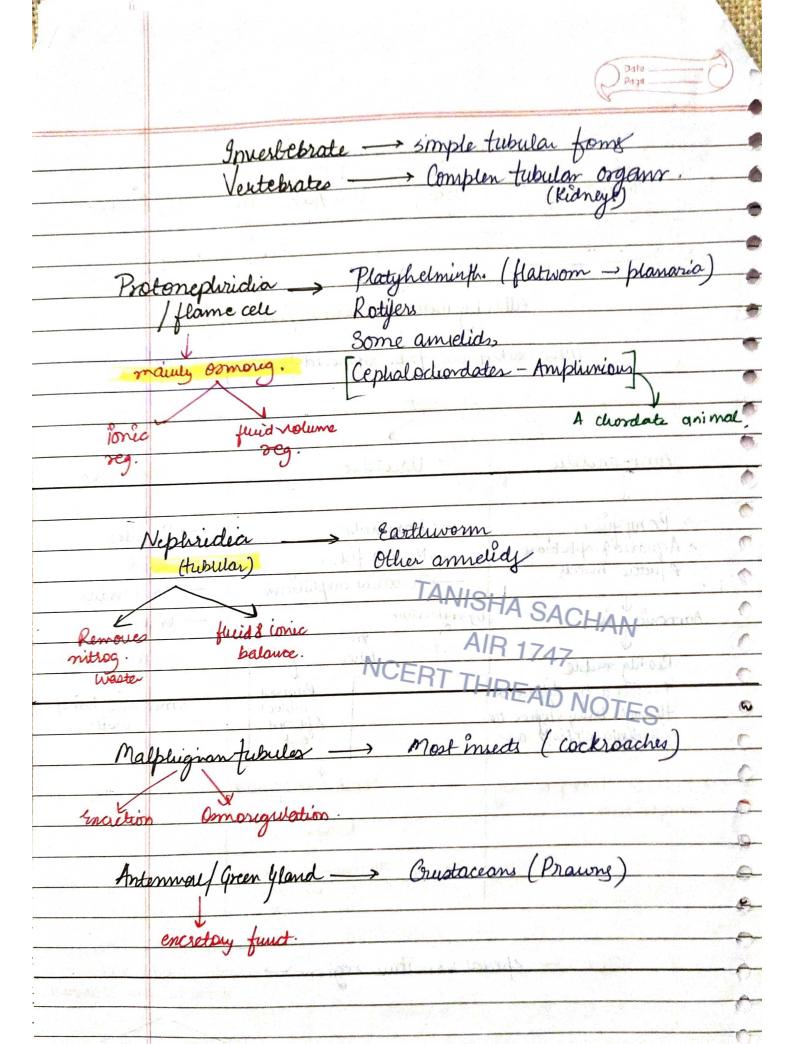
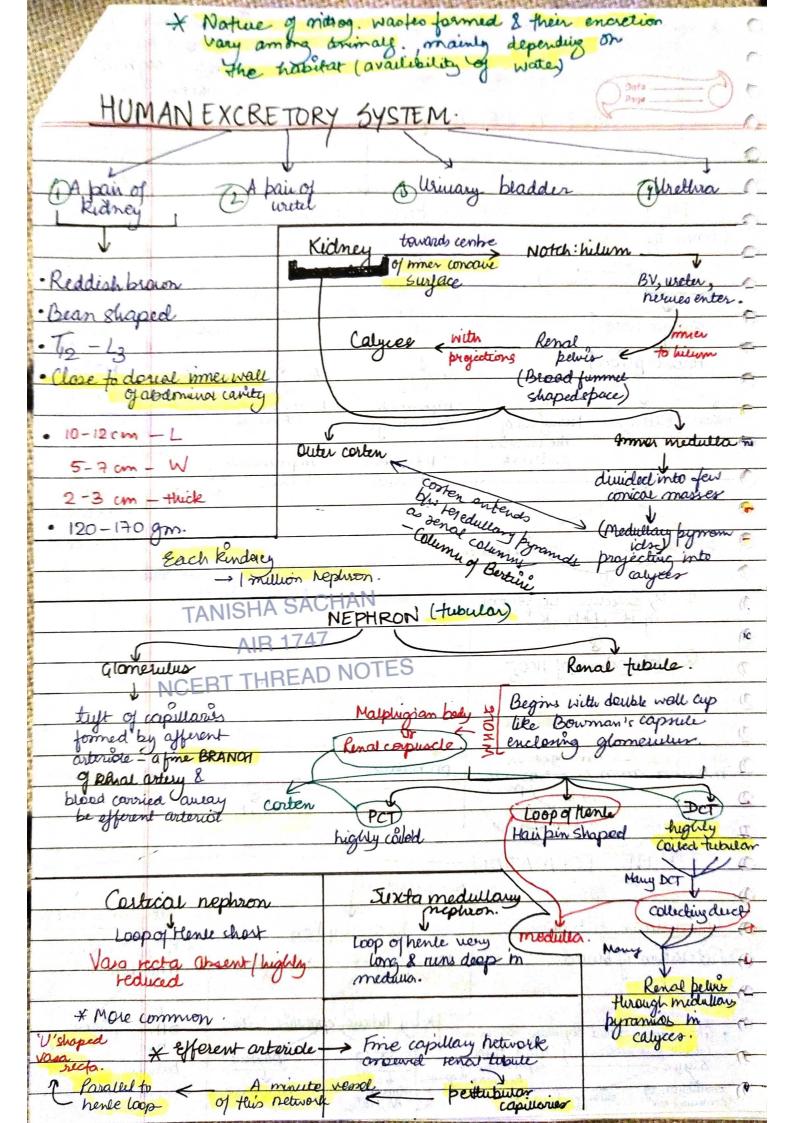
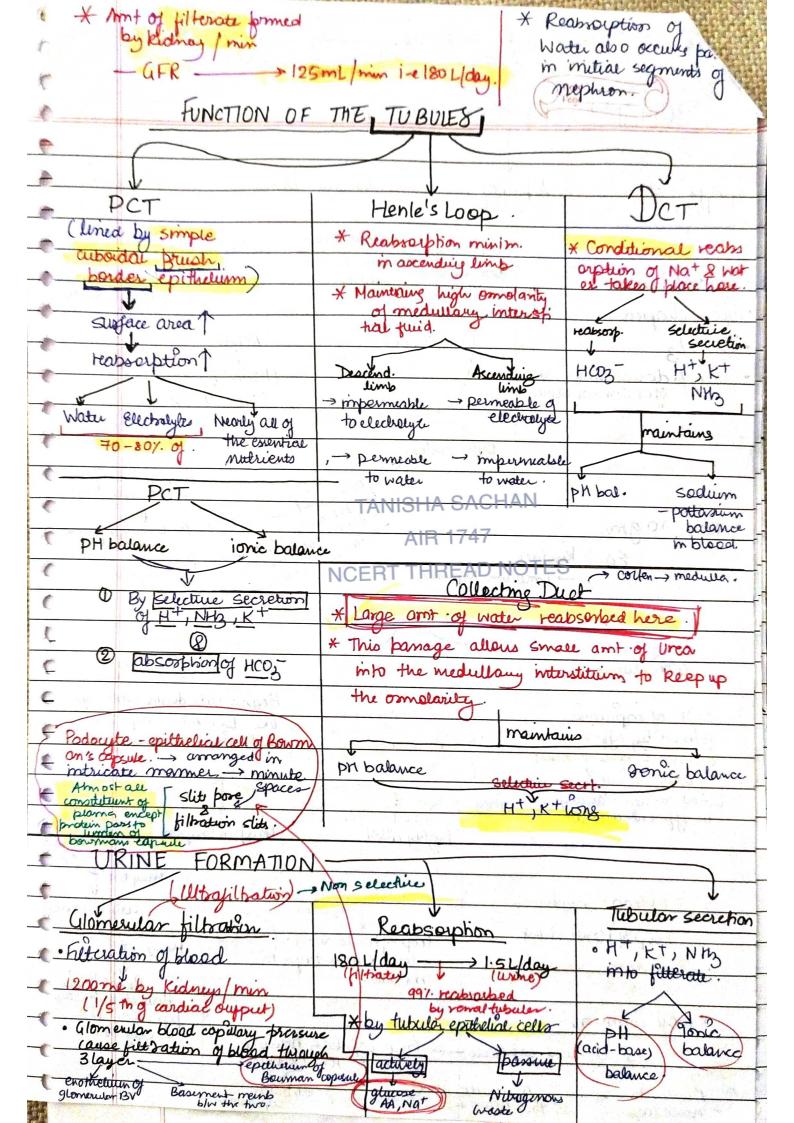
Least toxic Most tonic nemound with munu requires large " water. Arimals accumulate water Co, & water Uric Acid Urea Ammonia Nat Mgor borns of phosphate & sulphote waste by animals either by metabolic activity ences ingestion These substance to be somound partially / wholly-Terrestrict adapt necessiated lever tonic mitro wester Uricotelec water Ureotelic Ammonotelic congv. -- Reptiles -> Mammals → Bony tishes > Aquatio amphibiano -Marine fishes > Birds -> Aquatic molety > Terretria ampelibians > Land mails by metabolism -> ensects > wrea · peuet / paste form Amononia Liver Readily soluble Released Encreted by diffusions minimum loss of inblood filtered Herough body swipece or water. gill surface (fish) Some ant of wea * Kidney: don't play major role Ketained To maintain desired omolarity. ecial sensitive ocgion -> (ellular modycaluis at the location of contact afferent arteriole







MECHANISM OF CONCENT. OF THE FILTRATE ability Concentrated unine production Mammals sign role Vasa Recta , loop of hente > Flow of blood through two limbs mechanism > vasa rcecta Counter current in them Pronincty blw Herle loop & visa resta m collen Maintaining an increasing omplanty 300 m Osmol L interstition medulea. Nace Urea Returned to the intentition It lenters the thin by the ascending limb of Howe loop Vasapeda LOOP OF Nace is bomsported by ascending himb of hence loop tuin by collecting which is enchanged limb of vosa reda Presence of such interstial gradient helps in an easy parage of water from collecting tubule - conceut with - conceut whene than the initial filterate

